

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. – 10. (Canceled)

11. (New) A heat exchanger for a motor vehicle, comprising:

a housing;

a first set of flow ducts arranged in the housing for a gas to be cooled;

a second set of flow ducts arranged in the housing for a coolant, wherein the first and second sets of flow ducts are formed by the housing and a metal strip formed into a meandering shape, wherein the metal strip and the housing are connected to one another in a materially joined fashion;

coolant connections, wherein the coolant is led through the housing via the coolant connections;

an inlet diffuser; and

an outlet diffuser, wherein the first set of flow ducts are led through tube bottoms at either end of each flow duct in the first set of flow ducts into the inlet diffuser and the outlet diffuser, respectively,

wherein the tube bottoms are embodied in combs with prongs, and

wherein each flow duct in the first set of flow ducts has a first cross sectional area of a first uniform width and each flow duct in the second set of flow ducts has a second cross sectional area of a second uniform width and the first cross sectional area is greater than the second cross sectional area.

12. (New) The heat exchanger as claimed in claim 11, wherein each cross section of the second set of flow ducts is open on one side, and wherein the tube bottoms close off the cross sections of the second set of flow ducts at both ends of the second set of flow ducts.

13. (New) The heat exchanger as claimed in claim 11, wherein first and second cross sectional areas are embodied in an approximately rectangular shape.

14. (New) The heat exchanger as claimed in claim 13, wherein the first and second cross sectional areas have an identical length, but the first uniform width is different from the second uniform width.

15. (New) The heat exchanger as claimed in claim 11, further comprising, on one side, a distributor duct and a collecting duct, and wherein the distributor and collecting ducts are connected to one of the coolant connections and extend transversely over the second set of flow ducts.

16. (New) The heat exchanger as claimed in claim 15, wherein the housing has a U-shaped base body and a terminating plate or two U-shaped sections.

17. (New) The heat exchanger as claimed in claim 16, wherein the terminating plate and/or the U-shaped section are connected to the distributor duct and the collecting duct.

18. (New) The heat exchanger as claimed in claim 17, wherein the distributor duct and the collecting duct are of integral construction with the terminating plate and/or with one of the U-shaped sections and are shaped from said terminating plate and/or from the one of the U-shaped sections.

19. (New) The heat exchanger as claimed in claim 11, wherein the housing has a U-shaped base body and a terminating plate or two U-shaped sections.

20. (New) The heat exchanger as claimed in claim 11, wherein turbulence inserts are arranged in the first and second sets of flow ducts and soldered to the metal strip.

21. (New) The heat exchanger as claimed in claim 11, wherein the heat exchanger is configured to be a charge air cooler or exhaust gas cooler for the motor vehicle.